

ABSTRACT OF THE DISCLOSURE

A projection type optical display system includes: a light source; a display panel with light-modulating pixel regions; a light control system for splitting the emitted light into light rays falling within multiple wavelength ranges and focusing the rays onto associated pixel regions according to their wavelength ranges; an optical system for forming an image on a projection plane by utilizing the light modulated; a circuit for generating image subframe data from image frame data and getting the image subframes displayed by the panel time-sequentially; and an optical shifter for shifting, on the projection plane, one of the image subframes being displayed by the panel. The optical shifter is optimized to an outgoing light ray of the panel, which falls within a wavelength range with the highest luminosity, so as to shift the ray on the projection plane an integral number of times as long as the pixel pitch of the panel.